

Actino-Iron® Biological Fungicide

Sublabel A: Greenhouse, Nursery, Turf Grass, Agricultural, and Home and Garden Use
Sublabel B: Home & Garden Use
Optional Label Claims

EPA Reg. No.: 73314-2

EPA Establishment No.: 73314-TX-001

Novozymes BioAg Inc.
13100 W. Lisbon Road, Suite 600
Brookfield WI 53005
800-245-4104

the pesticide registered under
and labeled as
fungicide,

ACCEPTED

ACCEPTED

NOV 18 2013

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Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended, for
the pesticide registered under
EPA Reg. No. 73314-2

Actino-Iron® Biological Fungicide

Grade: 0-0-0

ACTIVE INGREDIENT:

Streptomyces lydicus WYEC108* 0.013%

OTHER INGREDIENTS: 99.987%

TOTAL: 100.000% (by wt.)

*Contains a minimum of 1×10^6 colony forming units per gram.

**Other Ingredients include Iron at a minimum of 15% and Humic Acid at a minimum of 1.00%. Iron is derived from magnetite ore.

GUARANTEED ANALYSIS

Iron (Fe).....15.0%

Molybdenum (Mo).....0.001%

Iron derived from magnetite ore complexed by siderophores of *Streptomyces lydicus* WYEC 108

ALSO CONTAINS NON-PLANTFOOD INGREDIENT

1% Humic Acid derived from decomposed plant residue.

ATTENTION: This product contains molybdenum (Mo). Crops high in molybdenum can be toxic to ruminant animals. Use only according to manufacturer's directions. Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm>.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See attached booklet for additional precautionary statements, first aid, complete directions for use and warranty.

FIRST AID	
If in eyes:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice
If inhaled:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.• Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 – 20 minutes.• Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have a person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time (PT), seven days a week. During other times, call the poison control center at 1-800-222-1222.	

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Brookfield WI 53005

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[NOVOZYMES RETHINK TOMORROW][LOGO]

US Patent No. 5,403,584

Net Weight:

[Batch code and expiry date]

PRECAUTIONARY STATEMENTS

Hazards to humans and domestic animals - CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE):

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- shoes plus socks

Mixer/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization. Follow the manufacturer's instructions for cleaning / maintaining PPE. If no instructions are available, use detergent and hot water for washables. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

Do not apply this product through any type of irrigation system.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

EXCEPTION: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water), is:

- Coveralls
- Chemical resistant gloves (made of any waterproof material)
- Shoes plus socks

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are **not** within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of treated areas until dusts have settled.

Product Information: Actino-Iron® Biological Fungicide is a biological soil additive and fungicide for the suppression/control of soil borne plant root rot and damping-off fungi. Actino-Iron® Biological Fungicide contains agricultural grade iron and humate (fulvic and humic acids) and is inoculated with the patented Actinovate® microorganism, *Streptomyces lydicus* WYEC 108. The microorganism colonizes on the root systems of plants, protecting the plant from soil borne diseases. Fungi controlled include *Fusarium*, *Pythium*, *Rhizoctonia*, *Phytophthora*, *Phytophthora*, *Aphanomyces*, *Monosporascus*, *Armillaria*, *Sclerotinia*, *Postia*, *Verticillium*, *Geotrichum*, and other root decay fungi. In addition, use of Actino-Iron® Biological Fungicide will produce hardier, more vigorous plants with increased root development. Plants will be larger and greener with Actino-Iron® Biological Fungicide.

Integrated Pest Management: Integrate Actino-Iron® Biological Fungicide into an overall disease and pest management strategy whenever fungicide use is necessary. Apply Actino-Iron® Biological Fungicide alone or in combination and/or rotation with chemical fungicides. Follow practices known to reduce disease development. Consult local agricultural authorities for specific IPM strategies developed for your crop(s) and location.

APPLICATION DIRECTIONS

Application Uses: For indoor/outdoor greenhouse, nursery, turf grass, ornamental plant, and field uses. Actino-Iron® Biological Fungicide is a biological fungicide for use in soil applications (top dressing with fertilizer, soil incorporation and in furrow) for growing plants.

Greenhouses and Nurseries Potting Soil Mix: Use in greenhouses, glass houses, shade houses, enclosed nurseries, and outdoor field grown and container nursery plants, including perennials, ornamentals, trees, seedlings, ornamental grasses, all types of hardwood and softwood cuttings, palms, foliage plants, cut flowers, cut foliage and ferns, seedlings, plugs, bench or bed grown plants, vegetables, and herbs.

Evenly mix 5 lbs of Actino-Iron® Biological Fungicide per cubic yard of planting media. Re-apply to planting media when repotting.

For nursery beds, incorporate at a rate of 2-8 pounds per 1000 square feet of bed by raking or tilling. Application of irrigation water will help move Actino-Iron® Biological Fungicide into the soil.

For top dressing with fertilizer, apply at a rate of 3-oz per cubic foot of planting media in pot. Water in thoroughly without creating run-off.

If soil is fumigated or steam sterilized, apply Actino-Iron® Biological Fungicide after treatment. Actino-Iron® Biological Fungicide can be used in combination with or in rotation with other fungicides, insecticides, miticides, fertilizers or micronutrients. Consult other product's labels for additional information or restrictions concerning tank mixing. Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures. Do not exceed label dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing.

Turf Grass: Use on all cool and warm season turf grass varieties such as Bentgrass, Bluegrass, Bermudagrass (common and hybrid), Fescue, Ryegrass, St. Augustine, Zoysia, Paspalum and Poa Annua. Use on Greens, Tees, Fairways and Roughs, Sports Turf, Parks, Cemeteries, (Residential) Lawns, Sod Farms, Seed Production Grasses and all ornamental grass varieties. Apply Actino-Iron® Biological Fungicide throughout the growing season on all types of soils and turfgrass varieties.

For problem areas with a history of, or potential for, fungal disease evenly apply 9 lbs of Actino-Iron® Biological Fungicide per 1,000 square feet of turf grass. For general maintenance, evenly apply 4 lbs of Actino-Iron® Biological Fungicide per 1,000 feet of turfgrass. If soil is fumigated or steam sterilized, apply Actino-Iron® Biological Fungicide after treatment. Actino-Iron® Biological Fungicide can be used in combination with or in rotation with other fungicides, insecticides, miticides, fertilizers or micronutrients. Consult other product's labels for additional information or restrictions concerning tank mixing. Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures. Do not exceed label dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing.

For optimal results apply with a drop spreader or by blending Actino-Iron® Biological Fungicide into fertilizer top dressing (sand, peat, humus, compost). Water in immediately after application.

[Outdoor] [Field] Use on Growing Crops and Ornamental Plants: For use throughout the growing season on all types of soils and all listed outdoor field grown food crops including vegetables, grains, herbs, small fruits, berries and fruit and nut trees. For use throughout the growing season on all types of soils and on all outdoor grown ornamentals, landscape plants, trees, shrubs, annuals, perennials, ground covers, and tropical plants.

Apply Actino-Iron® Biological Fungicide at a rate of 10-15 pounds per acre using properly calibrated application equipment. For best results, apply Actino-Iron® Biological Fungicide using a metering device, mounted to deliver granules into the furrow just behind the furrow opener. Apply Actino-Iron® Biological Fungicide either at seeding or to established crops as a side-dress. Water in after application. Actino-Iron® Biological Fungicide can be used in combination with or in rotation with other fungicides, insecticides, miticides, fertilizers or micronutrients. Consult other product's labels for additional information or restrictions concerning tank mixing. Observe the most restrictive of the labeling limitations and precautions

of all products used in mixtures. Do not exceed label dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing.

Home and garden use

Uses: For use on roses, bedding plants, annuals, and perennials, flowering plants, lawns, fruits, vegetables, tropical foliage plants and ornamental shrubs.

APPLICATION INSTRUCTIONS (HOW TO APPLY)

1 cup = ½ lb.

Mixing Into Potting Soil or Compost

Prior to potting plants, evenly mix 2 cups of Actino-Iron® Biological Fungicide into a 2.8 cubic foot bagged potting soil of your choice. When potting, repotting, establishing new beds or installing new plants, always add Actino-Iron® Biological Fungicide to the potting soil.

Applying To Transplants or Established Plants

New roses and flowers: Work 1/8 cup at the bottom of the planting hole. Mix another 1/8 cup into soil used to fill around the roots of the transplant.

Rose and flower beds: Evenly spread on top of bed at a rate of 3 pounds per 750 square feet of bed. Work into the soil by raking or tilling. Water in immediately after application in order to move Actino-Iron® Biological Fungicide into the soil and to the roots.

Potted perennials: For potted perennials (6" pot size or smaller) use 1 teaspoon. For larger perennials use 1–4 tablespoons. Apply to the soil around the base of each plant. Water in immediately after application in order to move Actino-Iron® Biological Fungicide into the soil and to the roots.

Garden beds: Apply 1.5-3 lbs per 500 square feet and till into the soil to a depth of 2-5 inches before planting. Water in immediately after application in order to move Actino-Iron® Biological Fungicide into the soil and to the roots. Reapply every 2-4 weeks throughout the warm months.

Shrubs and bushes: Apply 1/4 cup around the base of the plant and work into soil. Water in immediately after application in order to move Actino-Iron® Biological Fungicide into the soil and to the roots.

Trees: Apply 1/8 cup for each 1 inch of trunk diameter. Apply around base of tree and work into soil. Water in immediately after application in order to move Actino-Iron® Biological Fungicide into the soil and to the roots.

Lawn Application

Established lawns: As a fertilizer top dressing for lawns, Actino-Iron® Biological Fungicide will protect lawns from harmful root damaging fungi and provide long-term greening at the same time. Water in immediately after application in order to move Actino-Iron® Biological Fungicide into the soil and to the roots. Then follow the normal schedule for your particular type of grass.

Cool-Season (Northern) Grasses

Apply 2 times/year Kentucky Bluegrass, Fescue, Perennial Ryegrass

Memorial Day	10 lbs. per 2,500 sq. ft.
August 1st	10 lbs. per 2,500 sq. ft.

Warm-Season (Southern) Grasses

Apply 3 times/year Bermuda, St. Augustine, Centipede & Zoysia

Easter (after turf breaks dormancy)	10 lbs. per 2,500 sq. ft.
July 1 st	10 lbs. per 2,500 sq. ft.
November 1st	10 lbs. per 2,500 sq. ft.

New Lawns: Mix into the top two inches of soil before seeding or sodding. After third mowing of lawn, apply one 10 lb. bag per 2,500 sq. ft. of lawn. Water in immediately after application in order to move Actino-Iron® Biological Fungicide into the soil and to the roots. Then follow the normal schedule for your particular type of grass.

Seed Bed	10 lbs. per 2,500 sq. ft.
Sodding Preparation	10 lbs. per 2,500 sq. ft.

Established and New Lawns: Spreader Settings:

Drop Spreader Type

Ames/Earthway	21
Lawn Crafter (Quaker)	8
Red Devil	11
Republic EZ Grow	8
Scotts Accu Green series	10

Crops on which Actino-Iron® Biological Fungicide may be applied

Agronomic and Field Row Crops: wheat, buckwheat, cotton, canola, safflower, sunflower, soybeans and other agronomic field and row crops

Alfalfa Hay and Forage: alfalfa, clover, vetch, trefoil

Small Grains: rye, rice, sorghum, millet and other small grains

Corn: popcorn, seed corn, sweet corn and other corn crops

Potatoes: all types of Irish potatoes, sweet potatoes and other potatoes

Cucurbit Vegetables: cucumbers, melons, gourds, squash, cantaloupe and other cucurbits

Fruiting Vegetables: eggplant, sweet peppers, hot peppers, tomatoes, tomatillos and other fruiting vegetables

Herbs, Spices and Mints: sage, rosemary, thyme, peppermint, dill, basil, oregano and other herbs and spices

Leafy Vegetables and Cole Crops: broccoli, Brussels sprouts, cabbage, cauliflower, celery, collards, endive, kale, kohlrabi, lettuce, mustard greens, parsley, spinach and other leafy vegetable crops

Legume and Vegetable Crops: snap and dry beans, lentils, edamame, succulent and dry peas

Root/Tuber and Bulb Crops: garlic, onion, sugarbeet, carrot, ginger, ginseng, horseradish, turnip, radish and other root/tuber/bulb crops

Berry Crops: blueberry, blackberry, strawberry, raspberry, loganberry, huckleberry, gooseberry, elderberry, currant, caneberry and other berry crops

Citrus: orange, grapefruit, lemon, tangerine, tangelo, lime, pummel and other citrus crops

Grape: wine grapes, table grapes, raisins and other grape crops

Pome Fruit: apple, crabapple, pear, quince, mayhaw and other pome fruit

Stone Fruit: apricot, cherry, nectarine, peach, plum, prune and other stone fruit

Tree Nuts: almond, pistachio, pecan, walnut, filbert and other tree nuts

Tropical Fruit: avocado, mango, papaya and other tropical fruits

Miscellaneous: asparagus, bananas, plantains, watercress, mushrooms, olives, hops, all crops grown for seed

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in a dry, cool place out of direct sunlight and away from heat sources. Keep from overheating or freezing. Optimum storage temperature is 40°F to 85°F.

Pesticide Disposal: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Then offer for recycling if available, or dispose of empty bag in a sanitary landfill or by incineration. Do not burn, unless allowed by state and local ordinances.

Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. Novozymes BioAg warrants that at the time of the first sale of this product it conforms to the chemical description on the label and when used according to the label directions under normal growing conditions is reasonably fit for the purposes referred to above. Buyers/Users of this product assume full risk for any use contrary to the specified directions. If this product does not perform as warranted above and to the extent consistent with applicable law, customer's sole remedy for breach of warranty shall be replacement of the product or refund of the purchase price paid, at the option of Novozymes BioAg.

EXCEPT AS PROVIDED ELSEWHERE IN WRITING CONTAINING AN EXPRESSED REFERENCE TO THIS WARRANTY AND LIMITATION OF DAMAGES, SELLER MAKES NO OTHER EXPRESSED OR IMPLIED WARRANTY OR GUARANTEE TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, INCLUDING ANY OTHER EXPRESSED OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO.

[Note: The following information will affixed to the unit package]

Actino-Iron® Biological Fungicide

Grade: 0-0-0

ACTIVE INGREDIENT:

Streptomyces lydicus WYEC108* 0.013%

OTHER INGREDIENTS: 99.987%

TOTAL: 100.000% (by wt.)

*Contains a minimum of 1×10^6 colony forming units per gram.

**Other Ingredients include Iron at a minimum of 15% and Humic Acid at a minimum of 1.00%. Iron is derived from magnetite ore.

GUARANTEED ANALYSIS

Iron (Fe).....15.0%

Molybdenum (Mo).....0.001%

Iron derived from magnetite ore complexed by siderophores of *Streptomyces lydicus* WYEC 108

ALSO CONTAINS NON-PLANTFOOD INGREDIENT

1% Humic Acid derived from decomposed plant residue.

ATTENTION: This product contains molybdenum (Mo). Crops high in molybdenum can be toxic to ruminant animals. Use only according to manufacturer's directions. Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm>.

See booklet for additional precautionary statements, directions for use, application instructions and warranty.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

If in eyes:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice
If inhaled:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.• Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 – 20 minutes.• Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have a person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time (PT), seven days a week. During other times, call the poison control center at 1-800-222-1222.

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[NOVOZYMES RETHINK TOMORROW][LOGO]

US Patent No. 5,403,584

Net Weight: (3lb) (1.36kg) (50 lbs) (25 lbs)

[Batch code and expiry date]

PRECAUTIONARY STATEMENTS

Hazards to humans and domestic animals - CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental Hazards: To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems.

DIRECTIONS FOR USE

It is a violation of Federal law to apply this product in a manner inconsistent with its labeling.

Product Information (How it works): Actino-Iron® Biological Fungicide is a biological soil additive and fungicide for the suppression/control of soil borne plant root rot and damping-off fungi. Actino-Iron® Biological Fungicide contains agricultural grade iron and humate (fulvic and humic acids) and is inoculated with the patented Actinovate® microorganism, *Streptomyces lydicus* WYEC 108. The microorganism colonizes on the root systems of plants, protecting the plant from soil borne diseases. Fungi controlled include *Fusarium*, *Pythium*, *Rhizoctonia*, *Phytophthora*, *Phytophthora*, *Aphanomyces*, *Monosporascus*, *Armillaria*, *Sclerotinia*, *Postia*, *Verticillium*, *Geotrichum*, and other root decay fungi. In addition, use of Actino-Iron® Biological Fungicide will produce hardier, more vigorous plants with increased root development. Plants will be larger and greener with Actino-Iron® Biological Fungicide.

Uses: For use on roses, bedding plants, annuals and perennials, flowering plants, lawns, fruits, vegetables, tropical foliage plants and ornamental shrubs.

APPLICATION INSTRUCTIONS (HOW TO APPLY)

1 cup = ½ lb.

Mixing Into Potting Soil or Compost

Prior to potting plants, evenly mix 2 cups of Actino-Iron® Biological Fungicide into a 2.8 cubic foot bagged potting soil of your choice. When potting, repotting, establishing new beds or installing new plants, always add Actino-Iron® Biological Fungicide to the potting soil.

Applying To Transplants or Established Plants

New roses and flowers: Work 1/8 cup at the bottom of the planting hole. Mix another 1/8 cup into soil used to fill around the roots of the transplant.

Rose and flower beds: Evenly spread on top of bed at a rate of 3 pounds per 750 square feet of bed. Work into the soil by raking or tilling. Water in immediately after application in order to move Actino-Iron® Biological Fungicide into the soil and to the roots.

Potted perennials: For potted perennials (6" pot size or smaller) use 1 teaspoon. For larger perennials use 1–4 tablespoons. Apply to the soil around the base of each plant. Water in immediately after application in order to move Actino-Iron® Biological Fungicide into the soil and to the roots.

Garden beds: Apply 1.5-3 lbs per 500 square feet and till into the soil to a depth of 2-5 inches before planting. Water in immediately after application in order to move Actino-Iron® Biological Fungicide into the soil and to the roots. Reapply every 2-4 weeks throughout the warm months.

Shrubs and bushes: Apply 1/4 cup around the base of the plant and work into soil. Water in immediately after application in order to move Actino-Iron® Biological Fungicide into the soil and to the roots.

Trees: Apply 1/8 cup for each 1 inch of trunk diameter. Apply around base of tree and work into soil. Water in immediately after application in order to move Actino-Iron® Biological Fungicide into the soil and to the roots.

Lawn Application

Established lawns: As a fertilizer top dressing for lawns, Actino-Iron® Biological Fungicide will protect lawns from harmful root damaging fungi and provide long-term greening at the same time. Water in immediately after application in order to move Actino-Iron® Biological Fungicide into the soil and to the roots. Then follow the normal schedule for your particular type of grass.

Cool-Season (Northern) Grasses

Apply 2 times/year Kentucky Bluegrass, Fescue, Perennial Ryegrass

Memorial Day	10 lbs. per 2,500 sq. ft.
August 1st	10 lbs. per 2,500 sq. ft.

Warm-Season (Southern) Grasses

Apply 3 times/year Bermuda, St. Augustine, Centipede & Zoysia

Easter (after turf breaks dormancy)	10 lbs. per 2,500 sq. ft.
July 1 st	10 lbs. per 2,500 sq. ft.
November 1st	10 lbs. per 2,500 sq. ft.

New Lawns: Mix into the top two inches of soil before seeding or sodding. After third mowing of lawn, apply one 10 lb. bag per 2,500 sq. ft. of lawn. Water in immediately after application in order to move Actino-Iron® Biological Fungicide into the soil and to the roots. Then follow the normal schedule for your particular type of grass.

Seed Bed	10 lbs. per 2,500 sq. ft.
Sodding Preparation	10 lbs. per 2,500 sq. ft.

Established and New Lawns: Spreader Settings:

Drop Spreader Type

Ames/Earthway	21
Lawn Crafter (Quaker)	8
Red Devil	11
Republic EZ Grow	8
Scotts Accu Green series	10

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE

Store in a cool, dry place out of direct sunlight and away from heat sources. Keep from overheating or freezing. Optimum storage temperature is 40°F to 85°F.

PESTICIDE DISPOSAL AND CONTAINER HANDLING

Nonrefillable container. Do not reuse or refill this container.

If empty: Place in trash or offer for recycling if available.

If partially filled: Call your local solid waste agency or (800) 858-7378 (National Pesticide Information Center) for disposal instructions. Never place unused product down any indoor or outdoor drain.

Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. Novozymes BioAg warrants that at the time of the first sale of this product it conforms to the chemical description on the label and when used according to the label directions under normal growing conditions is reasonably fit for the purposes referred to above. Buyers/Users of this product assume full risk for any use contrary to the specified directions. If this product does not perform as warranted above and to the extent consistent with applicable law, customer's sole remedy for breach of warranty shall be replacement of the product or refund of the purchase price paid, at the option of Novozymes BioAg.

EXCEPT AS PROVIDED ELSEWHERE IN WRITING CONTAINING AN EXPRESSED REFERENCE TO THIS WARRANTY AND LIMITATION OF DAMAGES, SELLER MAKES NO OTHER EXPRESSED OR IMPLIED WARRANTY OR GUARANTEE TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, INCLUDING ANY OTHER EXPRESSED OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO.

[Note: The following information will be affixed to the unit package]

Actino-Iron® Biological Fungicide

Grade: 0-0-0

ACTIVE INGREDIENT:

Streptomyces lydicus WYEC108* 0.013%

OTHER INGREDIENTS: 99.987%

TOTAL: 100.000% (by wt.)

*Contains a minimum of 1×10^6 colony forming units per gram.

**Other Ingredients include Iron at a minimum of 15% and Humic Acid at a minimum of 1.00%. Iron is derived from magnetite ore.

GUARANTEED ANALYSIS

Iron (Fe)..... 15.0%

Molybdenum (Mo)..... 0.001%

Iron derived from magnetite ore complexed by siderophores of *Streptomyces lydicus* WYEC 108

ALSO CONTAINS NON-PLANTFOOD INGREDIENT

1% Humic Acid derived from decomposed plant residue.

ATTENTION: This product contains molybdenum (Mo). Crops high in molybdenum can be toxic to ruminant animals. Use only according to manufacturer's directions. Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm>.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID

If in eyes:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice
If inhaled:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.• Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 – 20 minutes.• Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have a person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time (PT), seven days a week. During other times, call the poison control center at 1-800-222-1222.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE

Store in a cool, dry place out of direct sunlight and away from heat sources. Keep from overheating or freezing. Optimum storage temperature is 40°F to 85°F.

PESTICIDE DISPOSAL AND CONTAINER HANDLING

Nonrefillable container. Do not reuse or refill this container.

If empty: Place in trash or offer for recycling if available.

If partially filled: Call your local solid waste agency or (800) 858-7378 (National Pesticide Information Center) for disposal instructions. Never place unused product down any indoor or outdoor drain.

EPA Reg. No.: 73314-2

EPA Establishment No.: 73314-TX-001

Novozymes BioAg Inc.

13100 W. Lisbon Road, Suite 600

Brookfield WI 53005

1-800-245-4104

[NOVOZYMES RETHINK TOMORROW][LOGO]

US Patent No. 5,403,584

Net Weight:

[Batch code and expiry date]

OPTIONAL LABEL CLAIMS

General label claims:

- Controls Soil Borne Plant Diseases such as Pythium, Phytophthora, Verticillium, Rhizoctonia, Fusarium and root decay fungi.
- Enhances Root Development and Plant Vitality
- For Greenhouse, Nursery, Turf Grass, Agricultural and Home & Garden Use.
- Biological Soil Additive for Fungus Suppression/Control
- Contains (Complexed) Iron.
- With Iron & Humic Acid
- Grade 0-0-0 (0-0-0-15)
- Biologically Activated Iron
- Protects and Greens
- Protects Roots from Disease Causing Fungi
- Promotes Beautiful Plants
- Protects and green
- Add to soil or compost or add a tsp. to each transplant
- Soil Additive
- Provides long term greening
- Creates lush, hardier lawns and plant
- Contains patented beneficial microbes

Sublabel B claims:

- One bag treats 3 cubic feet or up to 50 plants
- Treats 2500 sq ft of lawn or 2 cubic yards of soil or compost
- Add a teaspoon to each plant
- For Lawns, Trees, Flowers and Vegetables